Serial No. 09/884,231

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AMENDMENTS TO THE CLAIMS

The listing of Claims will replace all prior versions and listings of the Claims in the application:

Listing of Claims

1.-27. (Canceled)

- 28. (Currently Amended) A method of making a woven spider comprising selecting a <u>non-conducting</u> thread, helically wrapping an electrical conductor around the selected <u>non-conducting</u> thread and weaving the selected <u>non-conducting</u> thread that is wrapped with the electrical conductor into a woven cloth to form a single shed or course of the woven cloth that forms the woven spider.
- 29. (Currently Amended) The method of claim 28, further comprising leaving a determined length of the selected non-conducting thread that is wrapped with the electrical conductor positioned adjacent to the woven cloth in a determined position so that the selected non-conducting thread that is wrapped with the electrical conductor extends beyond an edge of the woven cloth when the woven cloth is molded and trimmed to a desired shape to form the woven spider.
- 30. (Currently Amended) The method of claim 28, wherein weaving comprises forming an integral part of the woven cloth that is only the selected <u>non-conducting</u> thread wrapped with the electrical conductor.
- 31. (Currently Amended) The method of claim 28, wherein weaving comprises positioning the selected non-conducting thread wrapped with the electrical conductor so that the selected non-conducting thread wrapped with the electrical conductor is a flex locus of the woven cloth.
- 32. (Currently Amended) The method of claim 28, further comprising leaving a determined length of the <u>non-conducting</u> thread that is wrapped with the electrical conductor unwoven and trimming the woven cloth to create a central opening and a desired outer circumference of the woven cloth so that the unwoven determined length of the selected <u>non-conducting</u> thread that is

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wrapped with the electrical conductor extends beyond the desired outer circumference of the woven cloth to readily provide electrical connection of the electrical conductor to a loudspeaker terminal.

33. (Previously Presented) The method of claim 28, further comprising electrically coupling the electrical conductor to a voice coil wire with a conductive adhesive, and applying a non-conductive adhesive between the woven spider and a coil former before the conductive adhesive has cured to cover the conductive adhesive and join the woven spider and the coil former.

34.-44 (Canceled)

- (New) The method of claim 28 and further comprising, after helically wrapping the electrical conductor around the selected non-conducting thread and before weaving the selected non-conducting thread, treating the selected non-conducted thread wrapped with the electrical conductor with a first substance to render the selected non-conducting thread relatively impervious to a second substance, and then, after weaving the selected non-conducting thread at the selected location in the woven cloth, treating the woven cloth with the second substance.
- 46. (New) The method of claim 45, wherein treating the woven cloth with the second substance comprises treating the cloth with a phenolic resin.
- 47. (New) A method of making a woven spider comprising selecting a non-conducting thread of a cloth from which the spider is to be woven, wrapping an electrical conductor around the selected non-conducting thread, weaving into the cloth the wrapped non-conducting thread to serve as part of the weave of the cloth, and after weaving the wrapped non-conducting thread into the cloth, forming the cloth into a woven spider.
- 48. (New) The method of claim 47, where weaving the wrapped non-conducting thread further comprises weaving the wrapped non-conducting thread to serve as part of weave of the cloth in place of an unwrapped non-conducting thread.

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49. (New) The method of claim 47, where weaving the wrapped non-conducting thread comprises placing the wrapped non-conducting thread at a flex locus of the cloth.

- 50. (New) The method of claim 47, further comprising, after wrapping the electrical conductor around the selected non-conducting thread and before weaving the wrapped non-conducting thread into the cloth, treating the wrapped non-conducting thread with a first substance to render the wrapped non-conducting thread relatively impervious to a second substance, and then, after weaving the wrapped non-conducting thread into the cloth at a selected location, treating the cloth with the second substance.
- 51. (New) The method of claim 50, where treating the cloth with the second substance comprises treating the cloth with a phenolic resin.
- 52. (New) The method of claim 47, further comprising incorporating the woven spider into a moving coil transducer and applying a conductive adhesive to at least one of the electrical conductor wrapped around the non-conducting thread and a lead of a moving coil of the moving coil transducer to make electrical contact with the moving coil transducer through the electrical conductor wrapped around the non-conducting thread, and to form a structural joint between the woven spider and the moving coil.
- 53. (New) The method of claim 47, further comprising making electrical contact to a moving coil of a transducer with the electrical conductor wrapped around the non-conducting thread.
- 54. (New) The method of claim 53, where making electrical contact comprises applying a conductive adhesive to at least one of the electrical conductor wrapped around the non-conducting thread and a lead of the moving coil to make electrical contact, and to form a structural joint between the spider and the moving coil.
- 55. (New) The method of claim 47, where forming the cloth into a woven spider comprises forming concentric convolutions in the cloth.

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- 56. (New) A method of making a moving coil transducer comprising wrapping an electrical conductor around a non-conducting thread and weaving the wrapped non-conducting thread into a single layer woven cloth at a single shed or course to form part of the single layer woven cloth, after weaving the wrapped non-conducting thread into the single layer woven cloth, forming the single layer woven cloth into a spider, incorporating the spider into a moving coil transducer and making electrical contact with the moving coil transducer through the electrical conductor wrapped around the non-conducting thread.
- (New) The method of claim 56, where weaving the wrapped non-conducting thread comprises weaving a first length of the wrapped non-conducting thread into the single layer woven cloth, positioning a second length of the wrapped non-conducting thread adjacent to the single layer of cloth to form a float, and weaving a third length of the wrapped non-conducting thread into the single layer woven cloth.
- 58. (New) The method of claim 57, where forming the single layer woven cloth into a spider comprises forming a region of the single layer woven cloth that is adjacent the float as a perimeter of the spider.
- 59. (New) The method of claim 56, where wrapping the non-conducting thread with the electrical conductor comprises wrapping multiple non-conducting threads with multiple electrical conductors and weaving the wrapped non-conductor thread comprises weaving the multiple wrapped non-conducting threads into the single layer woven cloth at a single shed or course of the single layer woven cloth.
- 60. (New) The method of claim 59, further comprising, after wrapping multiple non-conducting threads with electrical conductors and before weaving the multiple wrapped non-conducting threads into the single layer woven cloth, twisting the multiple wrapped non-conducting threads together.
- 61. (New) The method of claim 56, further comprising, after wrapping the non-conducting thread with an electrical conductor and before weaving the wrapped non-conducting thread into the

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single layer woven cloth, treating the wrapped non-conducting thread with a first substance to render the wrapped non-conducting thread relatively impervious to a second substance, and then, after weaving the wrapped non-conducting thread at the selected location in the single layer woven cloth, treating the single layer woven cloth with the second substance.

- 62. (New) The method of claim 61, where treating the single layer woven cloth with the second substance comprises treating the single layer woven cloth with a phenolic resin.
- 63. (New) The method of claim 59, and further comprising, after wrapping the multiple non-conducting threads with multiple electrical conductors and before weaving the wrapped non-conducting threads into the single layer woven cloth, treating the wrapped non-conducting threads with a first substance to render the wrapped non-conducting threads relatively impervious to a second substance, and then, after weaving the wrapped non-conducting threads into the single layer woven cloth, treating the single layer woven cloth with the second substance.
- 64. (New) The method of claim 63, wherein treating the single layer woven cloth with the second substance comprises treating the single layer woven cloth with a phenolic resin.
- 65. (New) A method of making a woven spider comprising: with a plurality of non-conducting threads, weaving a cloth in a single layer; selecting one of the non-conducting threads; wrapping the one of the non-conducting threads with an electrical conductor; weaving the one of the non-conducting threads that is wrapped with the electrical conductor at a single shed or course of the cloth to form an integral part of a warp or a west of the cloth.
- 66. (New) The method of claim 65, further comprising forming the cloth that includes the one of the non-conducting threads that is wrapped with the electrical conductor into a spider.
- 67. (New) The method of claim 65, where the cloth is woven to be a single layer.

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68. (New) The method of claim 65, where the one of the non-conducting threads that is wrapped with the electrical conductor is woven with another of the non-conducting threads to form the cloth.

69. (New) The method of claim 65, further comprising after the one of the plurality of non-conducting threads that is wrapped with the electrical conductor is woven into and forms part of the weave of the cloth, forming the cloth into a spider.